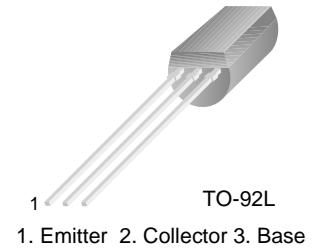


■ ■ APPLICATION: Audio Amplifier Applications.

■ ■ MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	RATING	UNIT
Collector-base voltage	V_{CBO}	-80	V
Collector-emitter voltage	V_{CEO}	-60	V
Emitter-base voltage	V_{EBO}	-8	V
Collector current	I_{C}	-700	mA
Collector Power Dissipation	P_{C}	1	W
Junction Temperature	T_{J}	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-55~150	$^{\circ}\text{C}$


■ ■ ELECTRICAL CHARACTERISTICS ($T_a=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
DC Current Gain	h_{FE}	40		240		$V_{\text{CE}} = -2\text{V}$, $I_{\text{C}} = -50\text{mA}$
Collector Cut-off Current	I_{CBO}			-0.1	μA	$V_{\text{CB}} = -60\text{V}$, $I_{\text{E}} = 0$
Emitter Cut-off Current	I_{EBO}			-0.1	μA	$V_{\text{EB}} = -5\text{V}$, $I_{\text{C}} = 0$
Collector-Base Breakdown Voltage	BV_{CBO}	-80			V	$I_{\text{C}} = -0.1\text{mA}$, $I_{\text{E}} = 0$
Collector-Emitter Breakdown Voltage	BV_{CEO}	-60			V	$I_{\text{C}} = -10\text{mA}$, $I_{\text{B}} = 0$
Emitter-Base Breakdown Voltage	BV_{EBO}	-8			V	$I_{\text{E}} = -0.1\text{mA}$, $I_{\text{C}} = 0$
Collector-Emitter Saturation Voltage	$V_{\text{CE(sat)}}$		-0.3	-0.7	V	$I_{\text{C}} = -500\text{mA}$, $I_{\text{B}} = -50\text{mA}$
Base-Emitter Saturation Voltage	$V_{\text{BE(sat)}}$		-0.9	-1.2	V	$I_{\text{C}} = -500\text{mA}$, $I_{\text{B}} = -50\text{mA}$
Gain bandwidth product	f_{T}	50	100		MHz	$I_{\text{C}} = -50\text{mA}$, $V_{\text{CE}} = -10\text{V}$
Common Base Output Capacitance	C_{ob}		13		pF	$V_{\text{CB}} = -10\text{V}$, $I_{\text{E}} = 0$, $f = 1\text{MHz}$

■ ■ h_{FE} Classification And Marking

Classification	R	O	Y
h_{FE}	40~80	70~140	120~240